

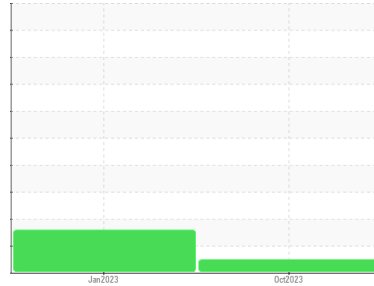


OIL ANALYSIS REPORT



Area
[19813]
 Machine Id
52-158
 Component
Right Final Drive
 Fluid
Synthetic 80w-90 (--- GAL)

Sample Rating Trend



NORMAL



DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. (Customer Sample Comment: Synthetic 80w/90 gear oil)

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			WC0818789	WC0754783	---
Sample Date	Client Info			16 Oct 2023	01 Jan 2023	---
Machine Age	hrs	Client Info		1003	532	---
Oil Age	hrs	Client Info		1003	532	---
Oil Changed	Client Info			Changed	Changed	---
Sample Status				NORMAL	ABNORMAL	---

CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method		>0.2	NEG	NEG	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>800	692	▲ 874	---
Chromium	ppm	ASTM D5185m	>10	8	▲ 11	---
Nickel	ppm	ASTM D5185m	>5	<1	2	---
Titanium	ppm	ASTM D5185m	>15	<1	<1	---
Silver	ppm	ASTM D5185m	>2	0	0	---
Aluminum	ppm	ASTM D5185m	>75	3	11	---
Lead	ppm	ASTM D5185m	>10	<1	2	---
Copper	ppm	ASTM D5185m	>75	11	12	---
Tin	ppm	ASTM D5185m	>8	0	<1	---
Vanadium	ppm	ASTM D5185m		<1	<1	---
Cadmium	ppm	ASTM D5185m		0	<1	---

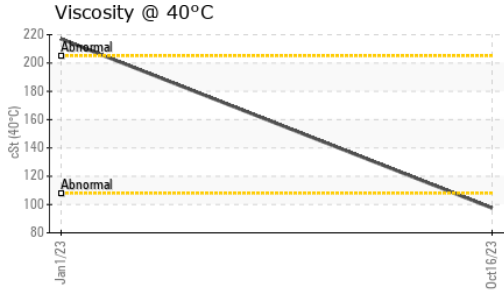
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		433	150	---
Barium	ppm	ASTM D5185m		8	14	---
Molybdenum	ppm	ASTM D5185m		<1	<1	---
Manganese	ppm	ASTM D5185m		5	9	---
Magnesium	ppm	ASTM D5185m		1	7	---
Calcium	ppm	ASTM D5185m		12	44	---
Phosphorus	ppm	ASTM D5185m		1564	1268	---
Zinc	ppm	ASTM D5185m		44	119	---
Sulfur	ppm	ASTM D5185m		22747	25056	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>400	16	19	---
Sodium	ppm	ASTM D5185m		4	23	---
Potassium	ppm	ASTM D5185m	>20	4	13	---

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	NONE	---
Silt	scalar	*Visual	NONE	LIGHT	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	---
Free Water	scalar	*Visual		NEG	NEG	---



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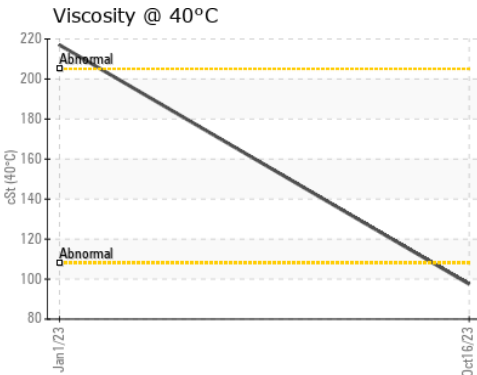
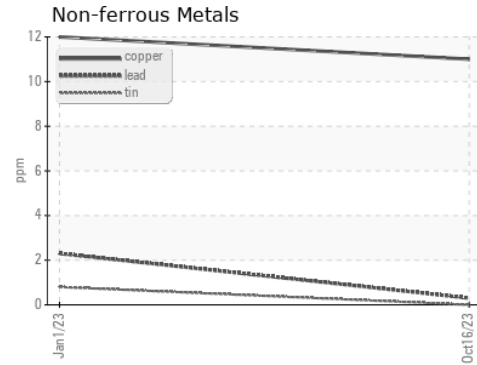
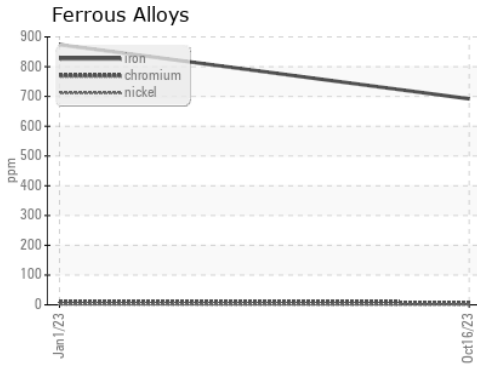
FLUID PROPERTIES

method	limit/base	current	history1	history2
Visc @ 40°C	cSt ASTM D445	97.5	217	---

SAMPLE IMAGES

method	limit/base	current	history1	history2
Color		no image	no image	no image
Bottom		no image	no image	no image

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0818789 **Received** : 16 Nov 2023
Lab Number : 06010404 **Diagnosed** : 20 Nov 2023
Unique Number : 10749548 **Diagnostician** : Sean Felton
Test Package : CONST

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 TULSA, OK
 US 74146
 Contact: BEN CALDWELL
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To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)